



mUve 3D DLP 4K Printer and Upgrade Kit

THE FIRST OPEN-SOURCE 4K RESOLUTION SYSTEM ON THE MARKET

Our new 4K DLP Printing system is based off our highly popular Maker/UltiPro series. You can choose either preassembled formats or upgrade kits. The upgrade is perfect for those that already own a previous model. As always, we're providing a clean upgrade path for our entire customer base adding immense value over the lifetime of mUve 3D printers. No one else come close. The new standing system includes tool holders and shelving for your resins, mounting for electronics, and much more. With a floor standing layout, you won't have to give up your valuable worktop space.

nanoDLP is the standard software of mUve 3D DLP Printers. It supports 4K and 8K resolution for future upgradability. It's a feature rich system that runs on PC, but also small systems like the Raspberry Pi. We utilize the powerful Raspberry Pi 3 to provide a truly stand-alone experience. Simply attach the RPi 3 to your local wired or wireless computer network and access the printer from any available device with network connectivity and a web browser. You can even use the cloud dashboard to check on your system from anywhere you have web access.



OPEN HARDWARE, FREE SOFTWARE

More open and adjustable than any other SLA 3D printer on the market. Our machines can be customized to any need, and environment. Open hardware means we share the CAD designs. Now nothing can get in the way of you having the perfect SLA printer. Free software means no sneaky recurring costs. Free automatic updates keep it simple.



UNTETHERED PRINTING

Onboard model storage, slicing, and project management means your printer won't require a dedicated PC, in-fact our machines are some of the most convenient and least impactful to established work environments. Universal web browser access means it's up to you how you operate your printer.



OPTIONAL TABLET PC

By enabling your nanoDLP Cloud Dashboard you allow yourself to access to your printer anywhere you are in the world. If you'd prefer a dedicated control device for your printer we can offer a tablet mount and tablet PC with your system to simplify your setup and ensure you always have a device available to manage and check printer progress.



DLP 4K FEATURES:

- HIGH STRENGTH ALUMINUM CHASSIS
- UPGRADE KITS OR PREASSEMBLED
- LARGE ADJUSTABLE PRINT AREA
- ULTRA HIGH PRINT RESOLUTION
- SUPPORTS ALL DLP RESINS
- CUSTOMIZABLE UV OUTPUT
- LONG LASTING PRINT SURFACE
- CLOUD BASED PROGRESS INFO
- NO COMPUTER REQUIRED
- OPEN HARDWARE AND SOFTWARE
- OPTIONAL PRINT RCRD/TIMELAPSE

FIRST OF ITS KIND 4K printing at low cost

ADJUSTABLE HARDWARE

With an adjustable projector mount and adjustable projector, you can change your X/Y print resolution to your project needs just like all our DLP models. Choose a large print area using the large FlexVat and build plate, or a smaller print area with a higher X/Y resolution on our standard FlexVat and build plate. We even offer additional lenses that increase print resolution to 15 microns and below. These simple add on lenses give the projector a smaller output while also increasing the range of focus on the smaller scale.

- Maximum build area of 152mm x 270mm x 250mm Z @70 micron using large reservoir and build plate
- Maximum X/Y print resolution ~15 microns with lensing
- Swappable high-performance or high-durability reservoir base plates
- Customizable hot mirror allows specific UV outputs

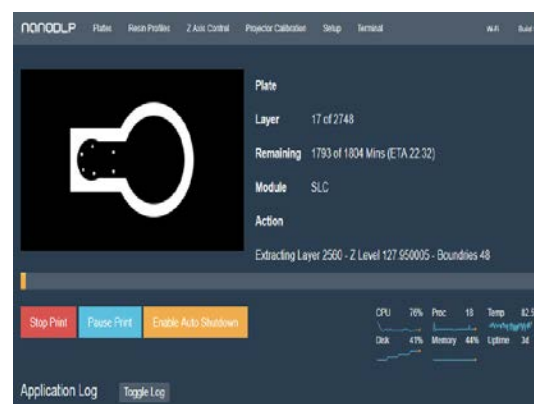
USE ANY PRINTING RESIN

With our new 4K system we can install any hot mirror we wish to customize the light output. The standard hot mirror is for 405nm UV, however many options are available. With this much power at your fingertips you can truly have one of the most power 3D printing solutions on the market at a fraction of the cost of everyone else.

4X THE RESOLUTION OF THE PREVIOUS GENERATION FOR EXTREME PERFORMANCE

ADJUSTABLE SOFTWARE

nanoDLP software is feature rich. From output resolutions as high as 4k & 8K, to part support material, part hollowing, infill, even pixel dimming, anti-aliasing, and barrel distortion correction for setups utilizing heavy lensing at ultra-high resolutions that require software correction for the best printing performance. Anti-aliasing and pixel dimming ensure the highest print quality along with an easier setup experience than most DLP machines on the market. nanoDLP even has built-in display/print calibration tools.



- nanoDLP is free to use and distribute
- Adjustable resolution in microns for both X and Y axis
- Advanced Anti-Aliasing and Pixel Dimming options
- Barrel Distortion Correction for aggressive lensing
- Fully adjustable print output, cure time, peel speeds, ...
- Full I/O control, internal functions, programmatic math
- Self-monitoring system with auto updates!

